

CLAIMS

1. An electronic publishing system for generating personalized web pages according to a user's optimum mode of learning, comprising:

(a) a computer system coupled to a plurality of users through a distributed information network (DIN);

(b) means for generating and storing a plurality of profiles selectable by users according to their optimum mode of learning;

(c) means for creating document templates displaying the structure of information to be presented on a web site serving the users;

(d) means for creating style sheets determining the presentation of the layout of a document template for the plurality of profiles defining the various learning modes; and

(e) calculating a user profile as a vector of weights.

2. The system of Claim 1 wherein the document templates are created with the industry standard Document Type Definition (DTD) syntax.

3. The system of Claim 1 wherein the style sheets are created using the Extensible Style Sheet Language (XSL).

4. The system of Claim 1 wherein the content is created using an Extensible Mark-Up Language (XML).

5. The system of Claim 1 wherein HTML files are created for content and correspond to the different modes of learning.

6. The system of Claim 1 further comprising means for calculating a user's profile based upon responses to a questionnaire and a cognitive learning theory.

1 7. The system of Claim 1 further comprising means for calculating a user profile as a vector
2 of weights.

1 8. In an electronic publishing system including a computer system coupled to a plurality of
2 users in a distributed information network, a method of generating personalized web pages
3 according to a user's optimum mode of learning, comprising the steps of:

- 4 (a) creating a user profile indicative of an optimum mode of learning;
- 5 (b) creating document templates using an industry standard syntax;
- 6 (c) creating content in a standard industry language;
- 7 (d) creating style sheets in a standard format mapped to the content to the different
8 modes of learning;
- 9 (e) combining the content file with the style sheets to generate a web file; and
- 10 (f) providing a web page to a user that matches the user's optimum mode of learning
11 based upon an identifier of the user's profile.

1 9. The method of Claim 8 further comprising the step of:

- 2 (g) calculating a user's profile based upon responses to a questionnaire and a
3 cognitive learning theory.

1 10. The method of Claim 8 further comprising the step of:

- 2 (h) calculating a user profile as a vector of weights.

1 11. The method of Claim 8 further comprising the step of:

- 2 (i) providing a user information defined by the style sheets and user profile in an
3 HTML file based upon a HTTP cookie or URL string with an encoded profile identifier
4 or user name.

1 12. An article of manufacture:

2 a program medium for generating personalized web pages according to a user's optimum
3 mode of learning, comprising:

4 (a) program instruction means in the medium for generating and storing a
5 plurality of profiles selectable by users according to their optimum mode of learning;

6 (b) program instruction means in the medium means for creating document
7 templates displaying the structure of information to be presented on a web site serving the
8 users; and

9 (c) program instruction means in the medium for creating style sheets
10 determining the presentation of the layout of a document template for the plurality of
11 profiles defining the various learning modes; and

12 (d) program instruction means in the medium for providing a user information
13 defined by the style sheets and user profile in an HTML file based upon a HTTP cookie
14 or URL string with an encoded profile identifier or user name.

15 13. The article of manufacture of Claim 9 further comprising:

16 (e) program instruction means in the medium for calculating a user's profile
17 based upon responses to a questionnaire and a cognitive learning theory.

18 14. The article of manufacture of Claim 9 further comprising:

19 (f) program instruction means in the medium for calculating a user profile as
20 a vector of weights.

